

Title (en)
PUSH-SWITCH

Title (de)
DRUCKSCHALTER

Title (fr)
BOUTON POUSSOIR

Publication
EP 2743951 A4 20150408 (EN)

Application
EP 12821602 A 20120725

Priority
• JP 2011175260 A 20110810
• JP 2012068817 W 20120725

Abstract (en)
[origin: EP2743951A1] In an initial state where a push rod is pressed down, a base of a movable contact point board supporting a movable contact point makes contact with inclined protruding portions of a moving block by a second spring to be inclined. When the movable contact point makes contact with a fixed contact point following the projecting of the push rod, the base makes contact with stoppers. Thereafter, since the moving block alone rises, the movable contact point board rotates following the end edges of the stoppers according to release of the pressing by the protruding portion. Thereby the movable contact point largely slides and is displaced to the fixed contact point. Since a leg of a movable contact point plate that extends from the base and is provided with the movable contact point is in advance deflected by an arm portion of a pressing member, a contact pressure between the movable contact point and the fixed contact point is high from a moment of the contacting. An excellent wiping operation can be obtained by the large sliding displacement and the high contact pressure.

IPC 8 full level
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B60Q 1/441 (2013.01 - EP US); **H01H 1/18** (2013.01 - EP US); **H01H 13/14** (2013.01 - US); **H01H 1/60** (2013.01 - EP US); **H01H 3/001** (2013.01 - EP US); **H01H 13/18** (2013.01 - EP US); **H01H 13/20** (2013.01 - EP US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2013021820A1

Cited by
EP3642080A4; WO2018234934A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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